

Figure 1

Prior Art

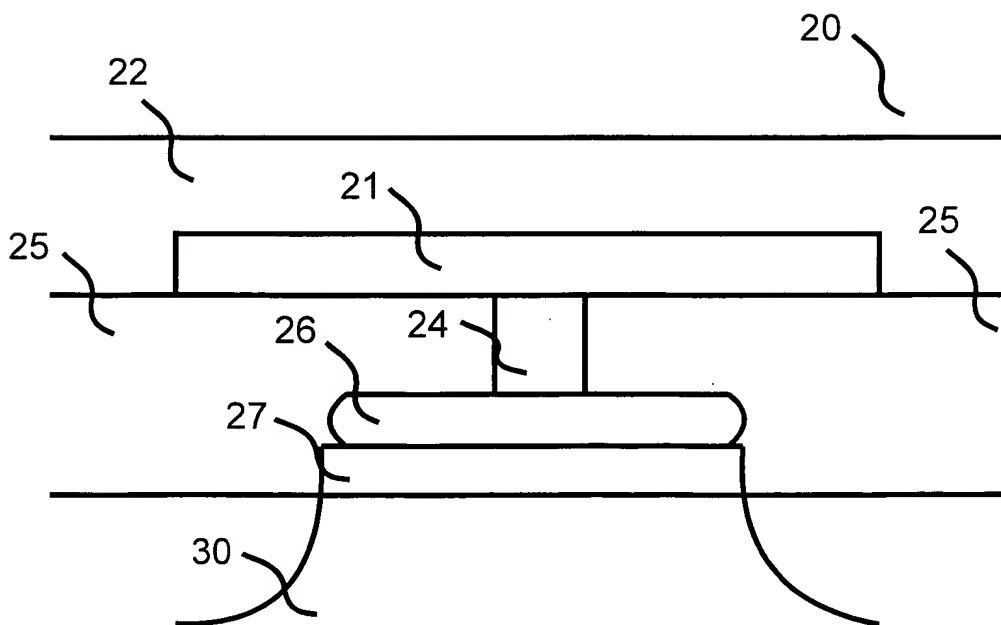


Figure 2

Prior Art

Figure 3
Prior Art

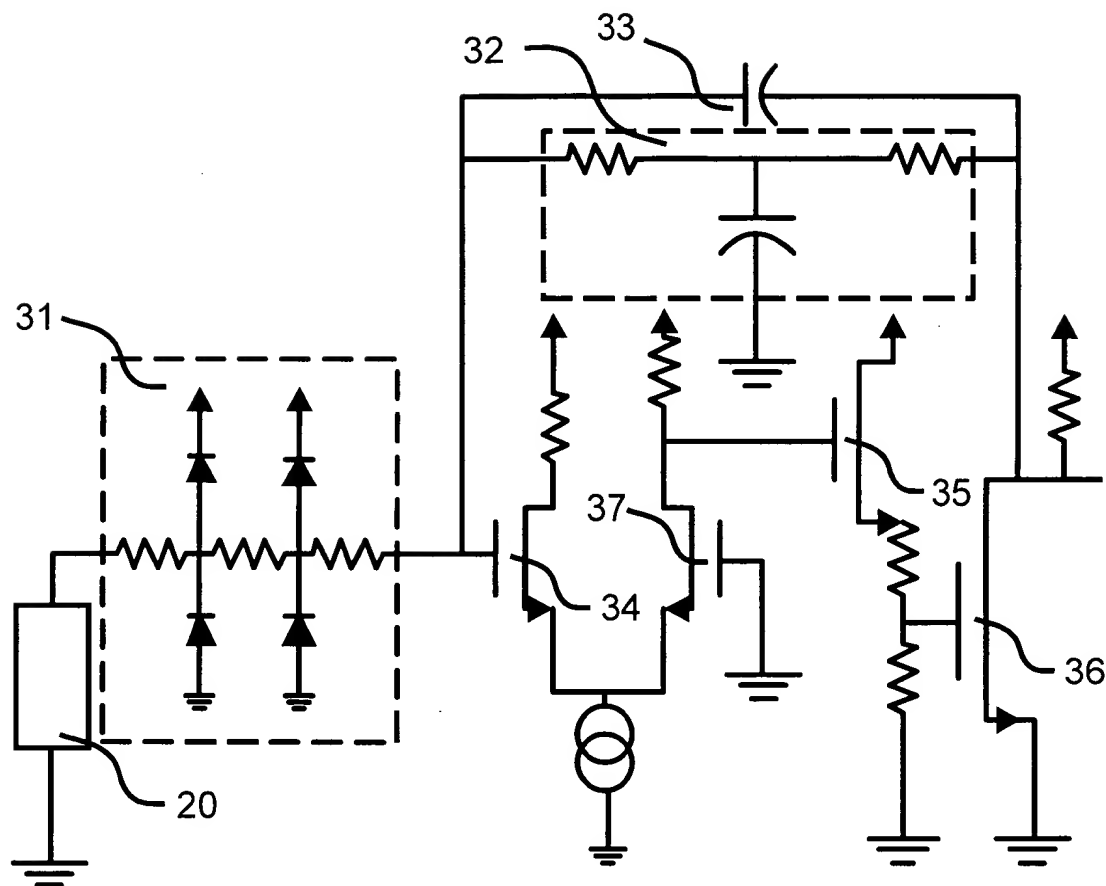


Figure 3
Prior Art

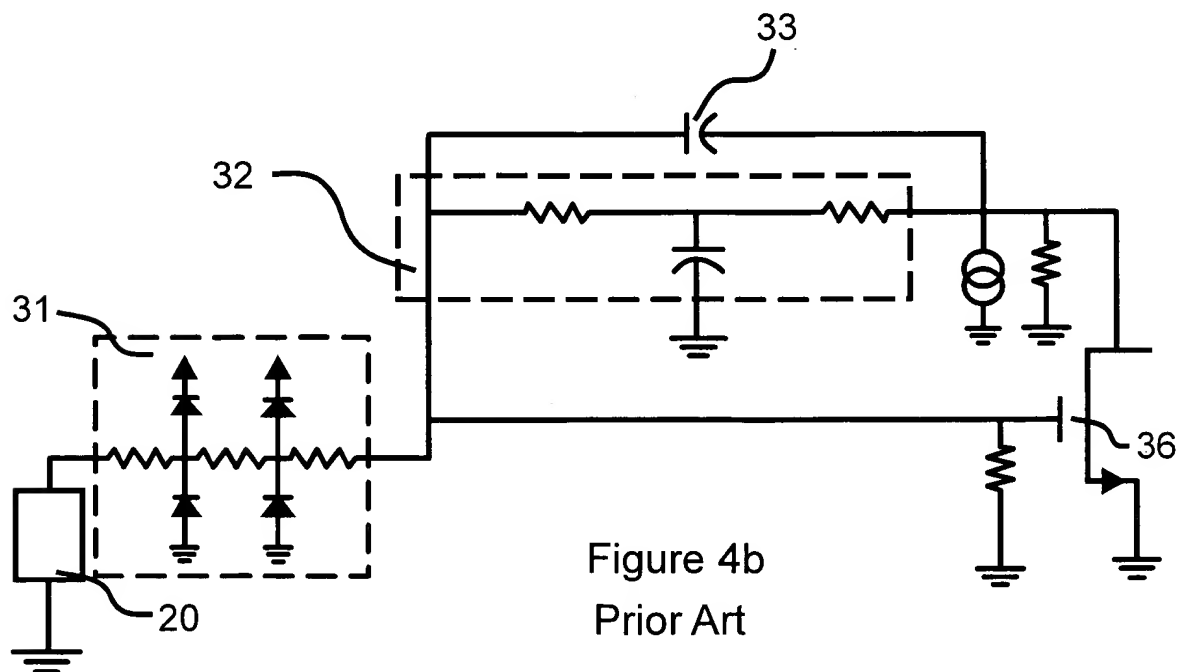
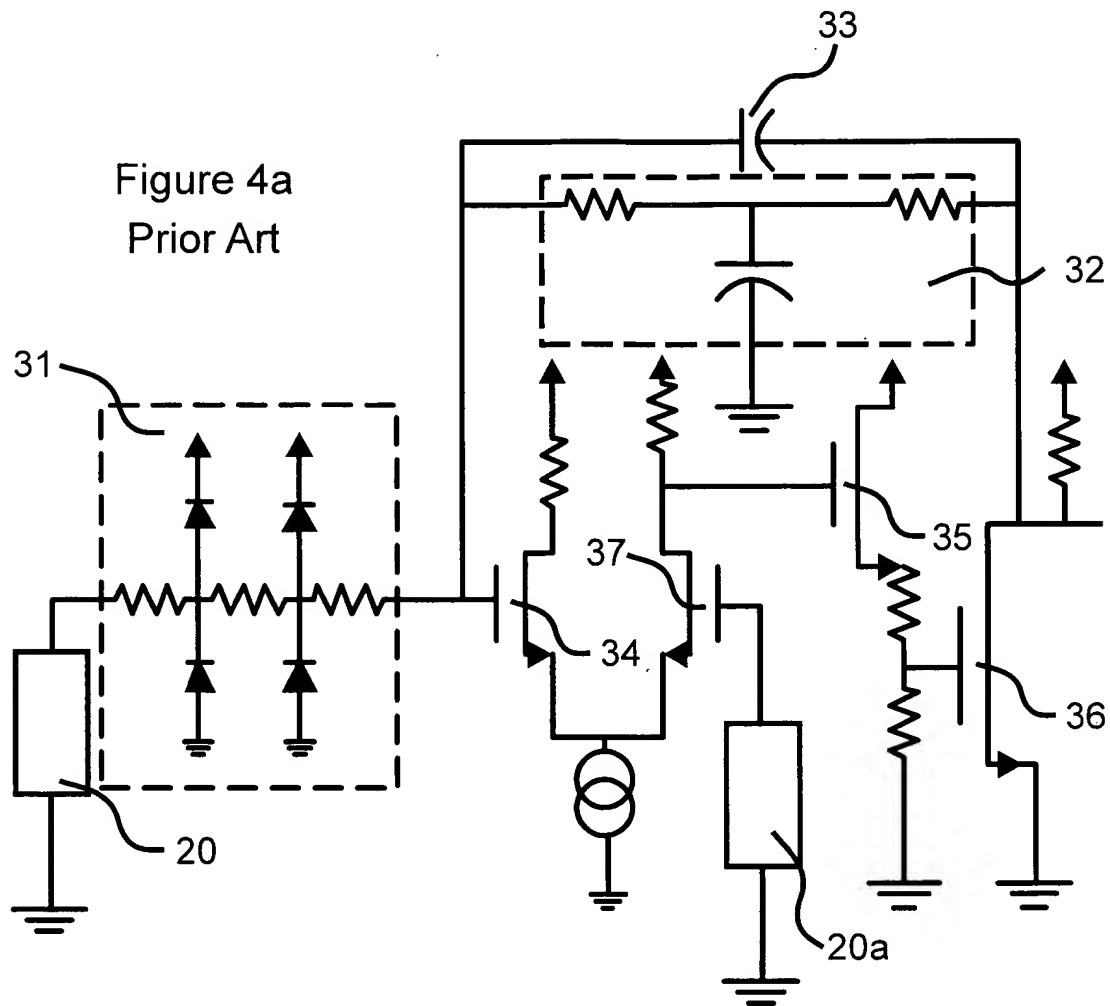


Figure 5a

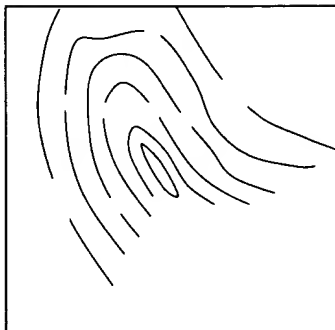


Figure 5b

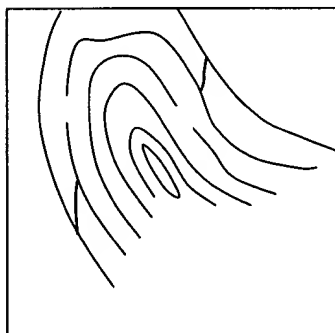


Figure 5c

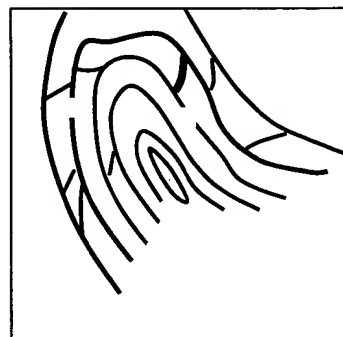


Figure 5a
Figure 5b
Figure 5c

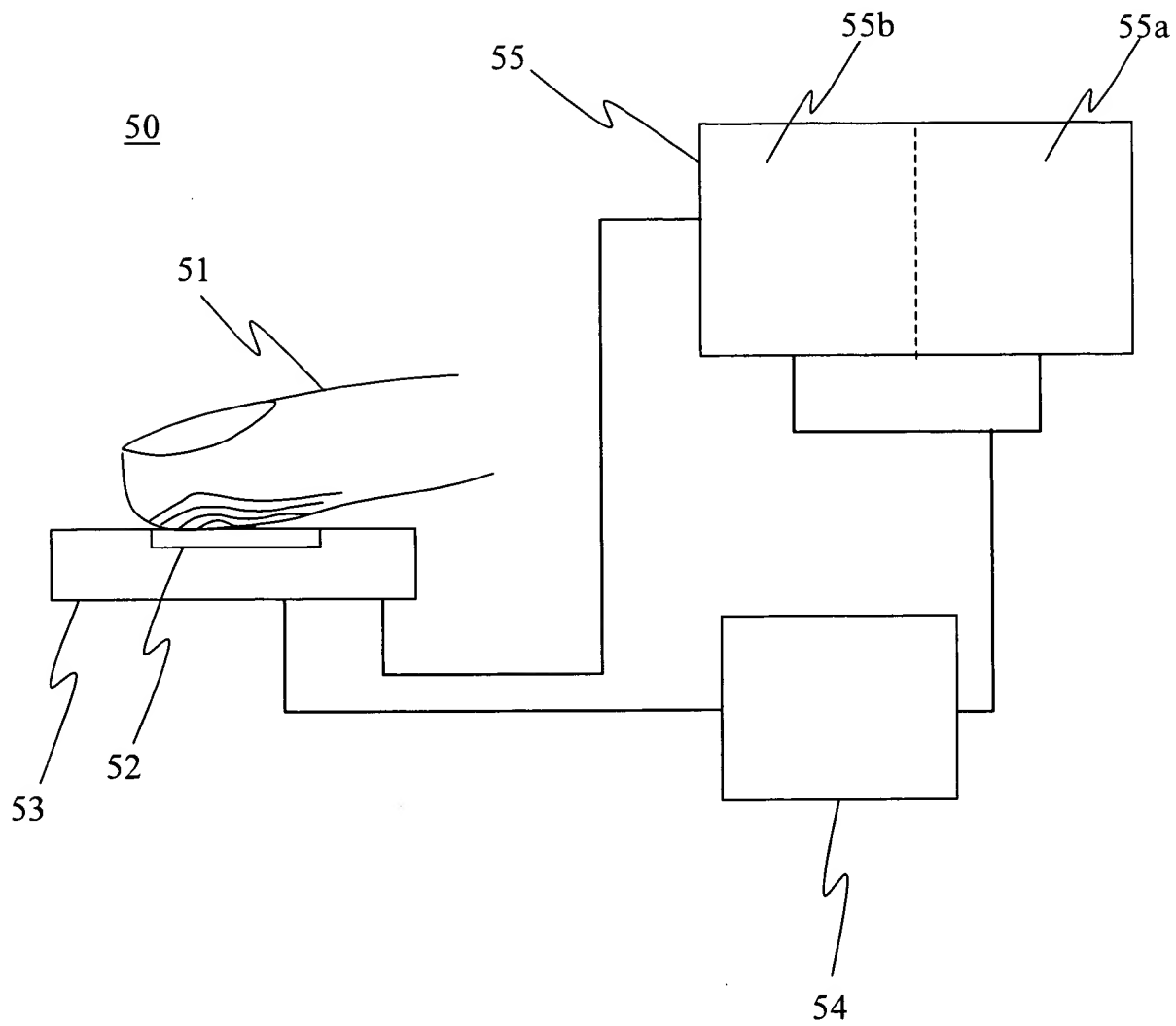


Figure 6

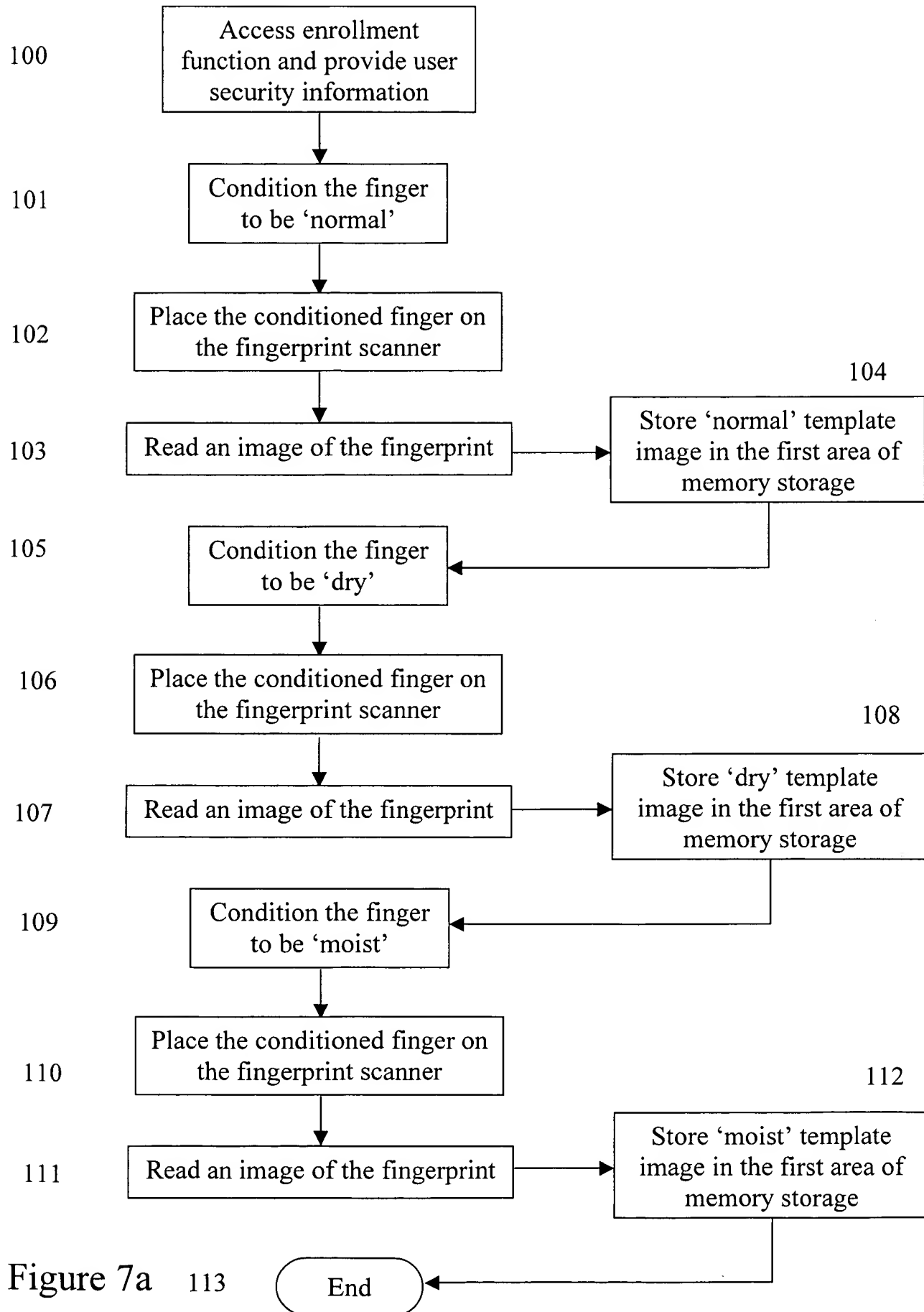


Figure 7a 113

100

Access enrollment function and
provide user security information

101

Condition the finger to be 'normal'

102

Place the conditioned finger on
the fingerprint scanner

103

Read an image of the fingerprint

125

Characterise fingerprint as if the fingerprint were
captured from a known 'normal' template image

126

Store 'normal' template in the first
area of memory storage

127

Characterise fingerprint as if the fingerprint were
captured from a known 'dry' template image

128

Store 'dry' template in the first area of
memory storage

129

Characterise fingerprint as if the fingerprint were
captured from a known 'moist' template image

130

Store 'moist' template in the first area
of memory storage

113

End

Figure 7b

100

Access enrollment function and
provide user security information

114

Place the finger on the fingerprint
scanner using 'normal' pressure

115

Read an image of the fingerprint

116

Store 'normal' template image in
the first area of memory storage

117

Place the finger on the fingerprint
scanner using 'light' pressure

118

Read an image of the fingerprint

119

Store 'light' template image in the
first area of memory storage

120

Place the finger on the fingerprint
scanner using 'heavy' pressure

121

Read an image of the fingerprint

122

Store 'heavy' template image in
the first area of memory storage

End

Figure 7c

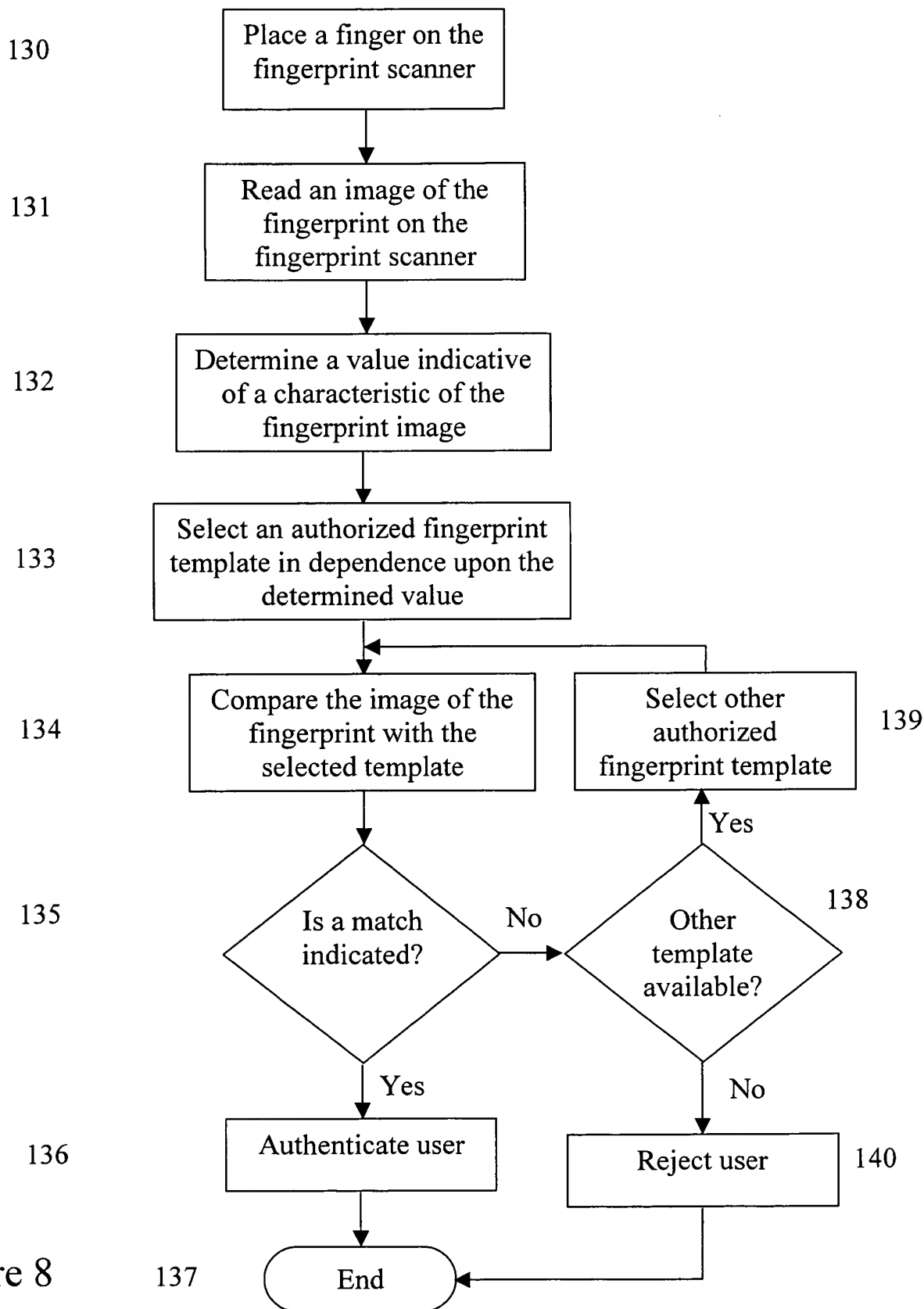


Figure 8

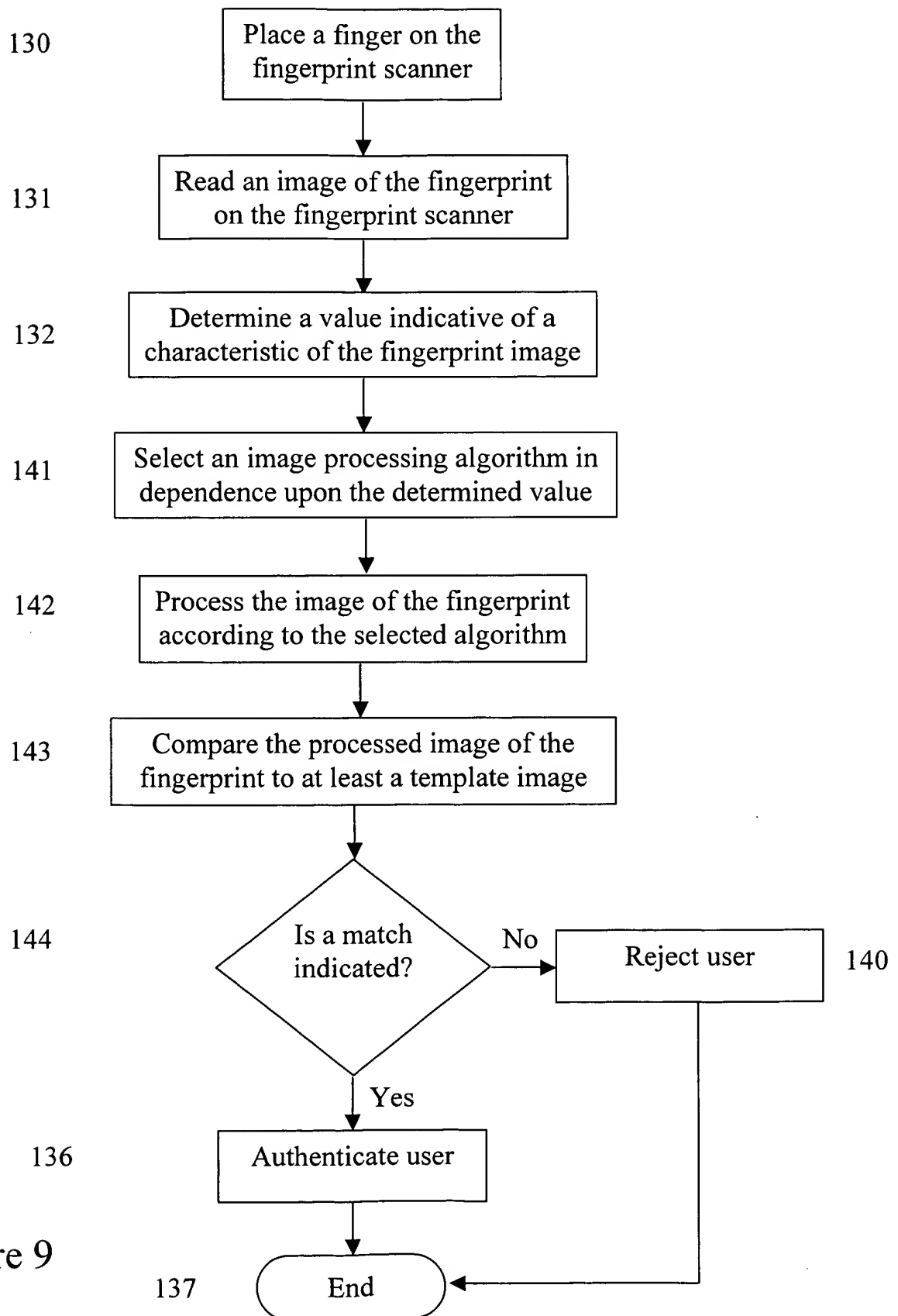


Figure 9

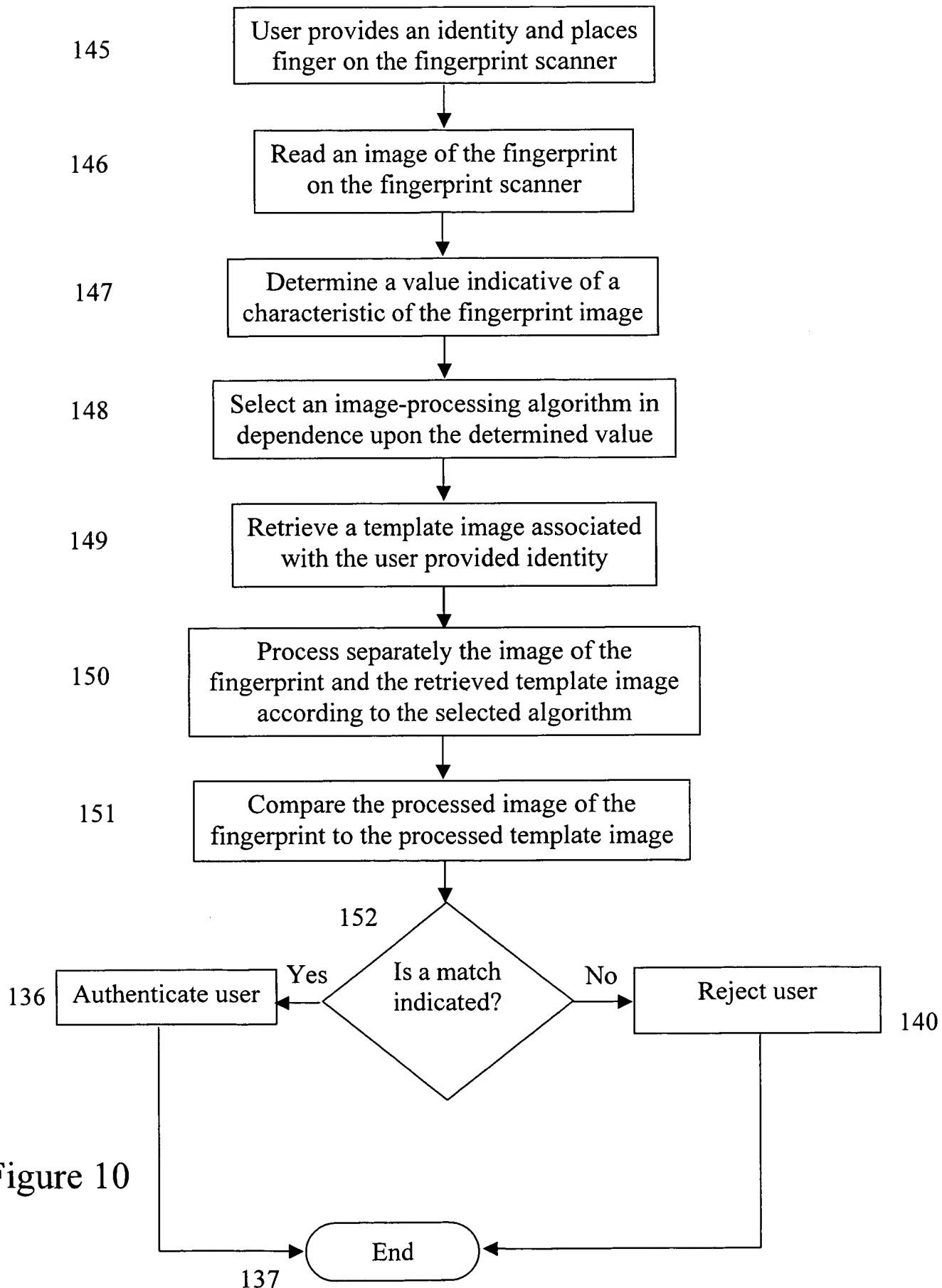


Figure 10